Contents

- Weatherproof IR dome camera
- Mounting screws x 4
- 60ft. BNC / power extension cable
- BNC female / RCA male adapter
- Power adapter

WARNING - A REGULATED UL / CSA APPROVED power supply is REQUIRED for use with this camera. Use of a non-regulated, non-conforming power supply can damage this product and voids the warranty.

Features

- Advanced Sony Super HAD™ II image sensor
- Video image processor produces sharp and clear video at 600 TV lines of resolution
- 4–9mm manual zoom lens for flexible viewing angle (39–93° diagonal)
- ClearNight imaging technology ensures clear night vision and improves recording efficiency up to 30%
- Night vision up to 75ft. (23m) away in total darkness*
- Split glass design minimizes IR reflection
- IP66 rated aluminum housing for indoor / outdoor installations**

Disclaimers:

* Infrared illumination range under ideal conditions. Actual range and clarity may vary depending on scene / object reflection and camera application.
** Not intended for submersion in water. Installation in a sheltered location recommended.

Warning/Caution

- Read this guide carefully and keep it for future reference
- Follow all instructions for safe use of the product
- Use the camera within given temperature, humidity and voltage levels noted in Camera Specifications
- Do not disassemble the camera
- Do not point the camera directly towards the sun or a source of intense light
- Use only the supplied regulated power supply. Use of a non-regulated, non-conforming power supply can damage this product and voids the warranty
- The supplied extension cable is rated for surface mounting only
- Cables for in-wall / floor-to-floor installations are sold separately

Installation Tips

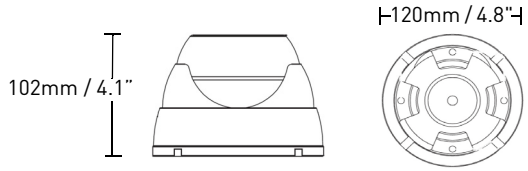
- Point the camera where there is the least amount of obstructions (i.e. tree branches)
- Install the camera in a location that is difficult for vandals to reach
- Secure cabling so that it is not exposed or easily cut
- Camera rated for outdoor use. Installation in a sheltered location recommended

Camera Specifications

Image Sensor	1/3" Sony Super HAD™ II
Video Format	NTSC
Effective Pixels	H: 768 V: 494
Resolution	600 TV Lines
Scan System	2:1 Interlace
Sync System	Internal
S / N Ratio	50dB (AGC Off)
Iris	AES
AES Shutter Speed	1/60 ~ 1/100,000 sec.
Min. Illumination	0.2 Lux without IR LED 0 Lux with IR LED
Video Output	Composite 1.0Vpp @ 75ohm
Lens / Lens Type	4–9mm F1.4 / Varifocal
FOV (Diagonal)	39–93°
Termination	BNC Type
IR LED Qty. / Type	28 pieces / 850nm
Night Vision Range*	75ft / 23m
Power Requirement	12V DC ±10%
Power Consumption	Max. 400mA (w / IR)
Operating Temp. Range	14° ~ 122°F / –10° ~ 50°C
Operating Humidity Range	< 90% RH
Environmental Rating**	IP66
Weight (including stand)	1.6lbs. / 0.7kg

* IR Illumination Range under ideal conditions. Objects at or beyond this range may be partially or completely obscured, depending on the camera application.
** Not intended for submersion in water. Installation in a sheltered location recommended.

Dimensions



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- Product Information
- Specification Sheets
- User Manuals
- Software Upgrades
- Quick Start Guides
- Firmware Upgrades

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LOREX
VIEW YOUR WORLD™

SUPER RESOLUTION WEATHERPROOF VARIFOCAL NIGHT VISION DOME CAMERA

QUICK START GUIDE
English Version 1.0

VANTAGE
LDC6081

Installing The Camera

ATTENTION - Test all connections and ensure the camera is working correctly prior to permanent installation by temporarily connecting the camera(s) and cable(s) to the viewing / recording solution.

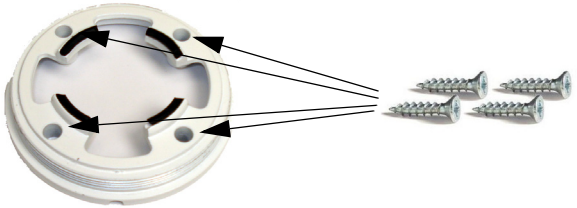
Before installing the camera:

- Decide whether to run the cables through the wall / ceiling (drilling required), or along the wall / ceiling.
- If you run the cables along the wall / ceiling, you must run the cable through the cable notch on the base. This will keep the camera base flush to the wall / ceiling when mounted.

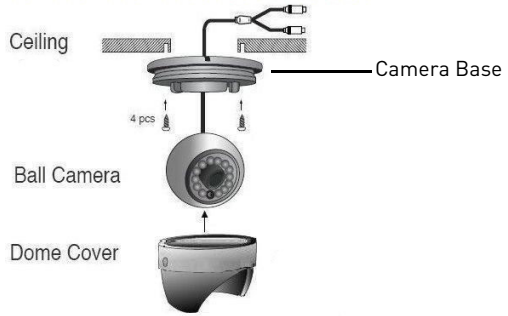
Cable notch

To install the camera:

1. Rotate the camera base counterclockwise to separate it from the ball camera and dome cover.
2. Feed the BNC / power cable through the camera base. If you are running the cables against a wall or ceiling, make sure to pass the cable through the cable notch as shown above.
3. Connect the video and power cable as shown in the next section 'Connecting The Camera'.
4. Mount the camera base to the wall or ceiling using the included screws.



5. Position the dome cover over the camera and screw it clockwise halfway onto the camera base.
6. Move the ball camera to the desired position. While holding the ball camera firmly in place, screw the dome cover the rest of the way to secure it to the camera base. Holding the camera prevents it from moving while installing the dome cover.



Connecting The Camera

To Camera:

Connect the BNC and power connectors to the camera.

To Monitor / DVR:

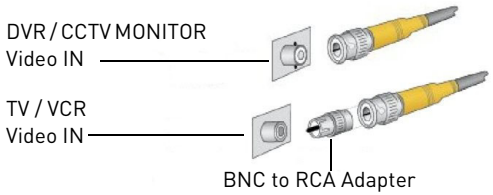
Connect the BNC connector to the video input of the monitor / DVR, and connect the included power connector to a power adapter. See Setup Diagram below for details.

Lens Adjustment

Use a flathead screwdriver to adjust the Focus and Zoom control screws on the camera if necessary.

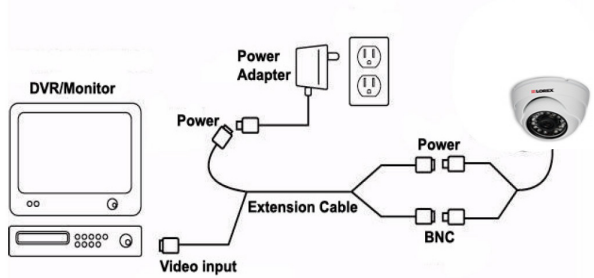
Note: Have a second person verify the camera image when you adjust the focus and zoom.

BNC to RCA Adapter



Attach the included BNC to RCA adapter to connect the extension cable to RCA inputs (i.e. for a TV connection).

Setup Diagram



Cable Extension Options

Extend the cable run for your camera up to 300ft. or more depending on the cable type used. See table below:

Option	Cable Type	Max Cable Run Distance	Max. # of Extensions
1	Regular BNC (supplied with camera)	180ft. / 55m	3
2	'RG59' or 'Coax' or ' Coaxial' BNC (sold separately)	300ft. / 92m	5
3	Lorex Universal Cable (sold separately)	300ft. / 92m	3

Notes:

1. For optimal performance, consider using option 2 or 3. It is best to use the same cable type for the entire distance.
2. Cable run recommendation based on typical camera power consumption (up to 500mA). For specialty cameras with higher current consumption, maximum cable run may be reduced. Consider providing power to the camera at the camera side, rather then at the end of the extension cable.
3. Indicators that your cable run may be too long:
   - Video is permanently black & white (even during day time)
   - Video is distorted

Troubleshooting

Problem	Solution
No Picture / Signal	• Ensure your TV is on the correct input channel. Common terms of an input channel: INPUT, AV CHANNEL, LINE1, LINE2, AUX. • If your camera is connected to a VCR / DVR, ensure it is properly connected to your TV / Monitor. • Ensure connections are properly connected. • Ensure the camera power supply is plugged in.
Picture is too bright	• Ensure your camera isn't pointed directly at a source of light (e.g sun or spot light). • Slide the sunshade (bullet cameras only) forward to block excess light. • Move your camera to a different location.
Picture is too dark	• If using during the day, the camera may not be getting enough light. Slide the sunshade (bullet cameras only) backwards to let in more light. • Check the brightness and contrast settings of the device your camera connects to (TV / Monitor / DVR).
Night vision is not working	• The night vision activates when light levels drop. The area may have too much light.
Picture is not clear	• Check the camera lens for dirt, dust, and spiderwebs. Clean the lens with a soft, clean cloth. • Make sure that the cable run is within the limitations specified in the section ' Cable Extension Options'.
Bright spot in video when viewing camera at night	• Night vision reflects when pointing a camera to a window. Move the camera to a different location.
BNC connection does not connect to my TV	• Use a BNC to RCA adapter at the end of the extension cable.